

06/26/01

06-27-01

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

ALT.P003

First Inventor

Volker Mauer

Title

Method and Apparatus For Implementing A Two  
Dimensional Correlator

Express Mail Label No.

ET278661545US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 37]  
(preferred arrangement set forth below)
- Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 13]
5. Oath or Declaration [Total Pages ]
- a. ☐ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
- i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:**Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ paper
- c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement of Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☒ Request and Certification under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: .....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No.: .....

Prior application information.

Examiner .....

Group Art Unit .....

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**☒ Customer Number or Bar Code Labelor ☐ Correspondence address below

Name

Lawrence M. Cho

27296

P.O. Box 2144

PATENT, TRADEMARK OFFICE

Address

City

Champaign

State

IL

Zip Code

61825

Country

U.S.A.

Telephone

(217) 377-2500

Fax

(217) 356-7373

Name (Print/Type)

Lawrence M. Cho

Registration No. (Attorney/Agent)

39,942

Signature

Lawrence M. Cho

Date

June 26, 2001

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# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ ) 862

## Complete if Known

|                      |               |
|----------------------|---------------|
| Application Number   |               |
| Filing Date          | June 26, 2001 |
| First Named Inventor | Volker Mauer  |
| Examiner Name        |               |
| Group Art Unit       |               |
| Attorney Docket No.  | ALT.P003      |

## METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number: 501624

Deposit Account Name: Lawrence Cho

☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ Payment Enclosed:

☐ Check ☒ Credit card ☐ Money Order ☐ Other

## FEE CALCULATION

| 1. BASIC FILING FEE |          |              |          |                        |           |
|---------------------|----------|--------------|----------|------------------------|-----------|
| Large Entity        |          | Small Entity |          | Fee Description        | Fee Paid  |
| Fee Code            | Fee (\$) | Fee Code     | Fee (\$) |                        |           |
| 101                 | 710      | 201          | 355      | Utility filing fee     | 710       |
| 106                 | 320      | 206          | 160      | Design filing fee      |           |
| 107                 | 490      | 207          | 245      | Plant filing fee       |           |
| 108                 | 710      | 208          | 355      | Reissue filing fee     |           |
| 114                 | 150      | 214          | 75       | Provisional filing fee |           |
| SUBTOTAL (1)        |          |              |          |                        | (\$ ) 710 |

2. EXTRA CLAIM FEES

|                    |              |                |           |
|--------------------|--------------|----------------|-----------|
|                    | Extra Claims | Fee from below | Fee Paid  |
| Total Claims       | 24           | -20** = 4      | X 18 = 72 |
| Independent Claims | 4            | - 3** = 1      | X 80 = 80 |
| Multiple Dependent |              |                |           |

| Large Entity |          | Small Entity |          | Fee Description  |
|--------------|----------|--------------|----------|--|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |  |
| 103          | 18       | 203          | 9        | Claims in excess of 20                                     |
| 102          | 80       | 202          | 40       | Independent claims in excess of 3                          |
| 104          | 270      | 204          | 135      | Multiple dependent claim, if not paid                      |
| 109          | 80       | 209          | 40       | ** Reissue independent claims over original patent         |
| 110          | 18       | 210          | 9        | ** Reissue claims in excess of 20 and over original patent |

|              |           |
|--------------|-----------|
| SUBTOTAL (2) | (\$ ) 152 |
|--------------|-----------|

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

| 3. ADDITIONAL FEES                |                       |                       |                       |  |                   |
|-----------------------------------|-----------------------|-----------------------|-----------------------|--|-------------------|
| Fee Code                          | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description  | Fee Paid          |
| 105                               | 130                   | 205                   | 65                    | Surcharge - late filing fee or oath  |                   |
| 127                               | 50                    | 227                   | 25                    | Surcharge - late provisional filing fee or cover sheet                     |                   |
| 139                               | 130                   | 139                   | 130                   | Non-English specification  |                   |
| 147                               | 2,520                 | 147                   | 2,520                 | For filing a request for <i>ex parte</i> reexamination                     |                   |
| 112                               | 920*                  | 112                   | 920*                  | Requesting publication of SIR prior to Examiner action                     |                   |
| 113                               | 1,840*                | 113                   | 1,840*                | Requesting publication of SIR after Examiner action                        |                   |
| 115                               | 110                   | 215                   | 55                    | Extension for reply within first month                                     |                   |
| 116                               | 390                   | 216                   | 195                   | Extension for reply within second month                                    |                   |
| 117                               | 890                   | 217                   | 445                   | Extension for reply within third month                                     |                   |
| 118                               | 1,390                 | 218                   | 695                   | Extension for reply within fourth month                                    |                   |
| 128                               | 1,890                 | 228                   | 945                   | Extension for reply within fifth month                                     |                   |
| 119                               | 310                   | 219                   | 155                   | Notice of Appeal   |                   |
| 120                               | 310                   | 220                   | 155                   | Filing a brief in support of an appeal                                     |                   |
| 121                               | 270                   | 221                   | 135                   | Request for oral hearing   |                   |
| 138                               | 1,510                 | 138                   | 1,510                 | Petition to institute a public use proceeding                              |                   |
| 140                               | 110                   | 240                   | 55                    | Petition to revive - unavoidable   |                   |
| 141                               | 1,240                 | 241                   | 620                   | Petition to revive - unintentional   |                   |
| 142                               | 1,240                 | 242                   | 620                   | Utility issue fee (or reissue)   |                   |
| 143                               | 440                   | 243                   | 220                   | Design issue fee   |                   |
| 144                               | 600                   | 244                   | 300                   | Plant issue fee  |                   |
| 122                               | 130                   | 122                   | 130                   | Petitions to the Commissioner  |                   |
| 123                               | 50                    | 123                   | 50                    | Processing fee under 37 CFR 1.17(q)  |                   |
| 126                               | 180                   | 126                   | 180                   | Submission of Information Disclosure Stmt                                  |                   |
| 581                               | 40                    | 581                   | 40                    | Recording each patent assignment per property (times number of properties) |                   |
| 146                               | 710                   | 246                   | 355                   | Filing a submission after final rejection (37 CFR § 1.129(a))              |                   |
| 149                               | 710                   | 249                   | 355                   | For each additional invention to be examined (37 CFR § 1.129(b))           |                   |
| 179                               | 710                   | 279                   | 355                   | Request for Continued Examination (RCE)                                    |                   |
| 169                               | 900                   | 169                   | 900                   | Request for expedited examination of a design application                  |                   |
| Other fee (specify) _____         |                       |                       |                       |  |                   |
| *Reduced by Basic Filing Fee Paid |                       |                       |                       |  |                   |
| SUBTOTAL (3)                      |                       |                       |                       |  | (\$) <sup>0</sup> |

| SUBMITTED BY      |                        | Complete (if applicable)          |                |
|-------------------|------------------------|-----------------------------------|----------------|
| Name (Print/Type) | Lawrence M. Cho        | Registration No. (Attorney/Agent) | 39,942         |
| Signature         | <i>Lawrence M. Cho</i> | Telephone                         | (217) 377-2500 |
|                   |                        | Date                              | June 26, 2001  |

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

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**REQUEST AND CERTIFICATION UNDER 35 U.S.C. 122(b)(2)(B)(i)**First Named Inventor Volker MauerTitle Method and Apparatus For Implementing a Two Dimensional CorrelatorAttorney Docket No. ALT.P003

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

June 26, 2001

Date

Lawrence M. Cho

Signature

Lawrence M. Cho

Typed or Printed Name

39,942

Registration No.

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months after the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

Send to: Assistant Commissioner for Patents, Washington, D.C. 20231